

Hydra Quick Reference Guide

1. Welcome!

Thank you for using Entone's Hydra Multi-Television Video Gateway. This quick reference gives quick instruction for setting up and using Hydra. For detailed setup and usage instruction, please refer to the *Hydra User's Guide* and the *URC Plus User's Guide* in <http://www.entone.com>.

2. Before You Begin

Check that the video output connector of the Hydra is properly connected to the input connector of the TV(s).

In your TV, select the input source that the Hydra is used.

"MATV OUTPUT" by default uses CATV channel ID 10, 12 and 23 for decoder 1, 2 and 3 respectively.
"TV OUT" for decoder 1 by default uses CATV channel ID 10.

Check that you have connected Hydra to the network either using ETHERNET or ADSL. For details of connecting Hydra to the network, please refer to your service provider.

Software upgrade is required when you power up Hydra for the first time. Software upgrade may take 5 minutes. Do not power off during software upgrade.

3. Install Remote Control Batteries

Install the two AA batteries (provided) into the remote control.



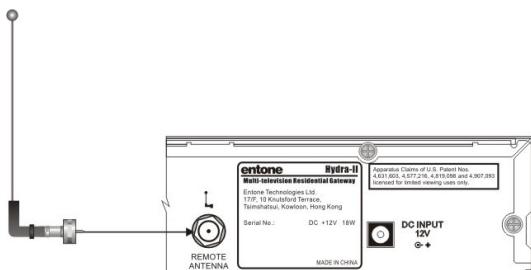
Important!! Use only new AA Alkaline batteries to insure consistent operation.

4. Understanding the Remote Control

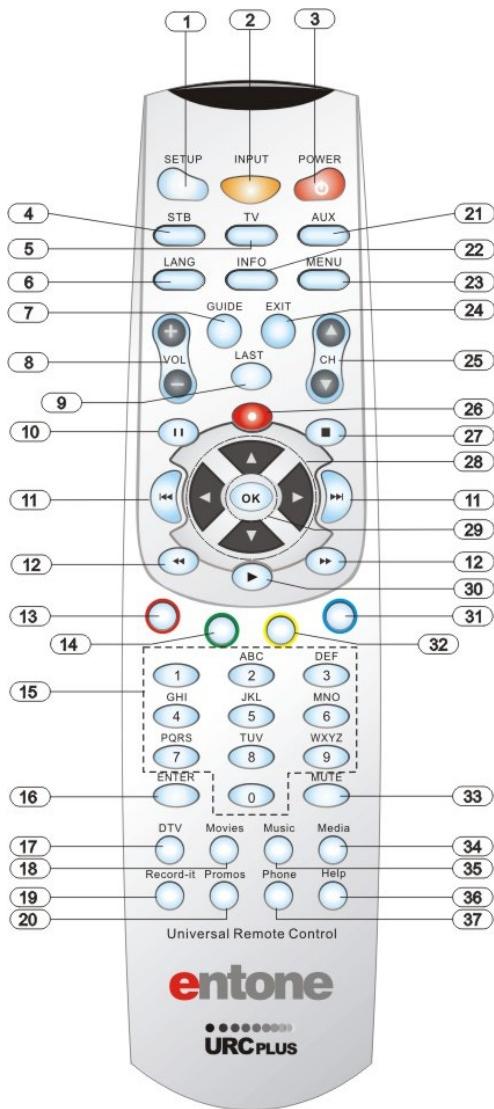
This 3 mode Universal Remote Control can be programmed to control your Hydra and up to two other devices. The remotes can be set up by following these simple instructions.

5. Connect Antenna

Connect the small antenna (provided) to the "Remote Antenna" connector on the back panel of the Hydra.



6. Using the Remote Control



The diagram and list provide a brief description of your remote control features. Entone provides this as a general guide to remote control usage. Functions may vary between different service providers.

Please refer to your service provider's manual for specific information on remote usage and features.

1. **SETUP** Special Key reserved for remote programming functions.
2. **INPUT** Changes the current A/V input of the selected device.
3. **POWER** Switches the power on/off for the currently selected device.
4. **STB** Puts remote control in STB mode.
5. **TV** Selects to control TV.
6. **LANG** Reserved for future use.
7. **GUIDE** Displays electronic program guide.
8. **VOL+/-** Raises or lowers volume of the currently selected device.
9. **LAST** Changes channel to the most recently viewed channel.
10. **PAUSE** Pause button for VOD.
11. **CHAPTER** Goes to previous or next chapter for VOD.
12. **FAST REV/FWD** Starts fast reverse or fast forward for VOD.
13. **RED** Reserved for future use.
14. **GREEN** Reserved for future use.
15. **NUMBER KEYS** Allows direct access to specific channels and menu items.
16. **ENTER** Reserved for future use.
17. **DTV** Returns to live programming.
18. **Movies** Display the VOD menu.
19. **Record-it** Reserved for future use.
20. **Promos** Displays the promotion menu.
21. **AUX** Selects to control AUX device.
22. **INFO** Displays on-screen information about the current television program.
23. **MENU** Displays the on-screen menu.
24. **EXIT** Exits the current menu item.
25. **CH UP/DOWN** Changes channel up or down.
26. **RECORD** Reserved for future use.
27. **STOP** Stop button for VOD.
28. **ARROW KEYS** Navigates right, left, up, down in the on-screen guide.
29. **OK** Executes the currently selected menu option.
30. **PLAY** Play button for VOD.
31. **BLUE** Reserved for future use.
32. **YELLOW** Reserved for future use.
33. **MUTE** Turns the volume of the currently selected device off.
34. **Media** Displays the web menu.
35. **Music** Displays available music channels.
36. **Help** Displays the help menu.
37. **Phone** Displays the Caller ID menu.

7. Programming Remotes For Use With Hydra

First, you must program your remotes for use with your Hydra. The Hydra comes with 3 URC remotes. Each remote can be programmed for use with a different TV/Room. (Refer to the *Hydra User's Guide* for more information on in-home configurations.)

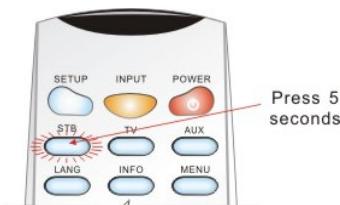
- ① Press and hold the "OK" button on the Hydra front panel for about 5 seconds. When the "OK" button is released, the Hydra front panel Standby/On LED blinks twice (alternates red and green), then stays lit red to indicate that the Hydra is now in remote registration mode.



- ② Identify the remote control, which is labeled with a number 1, 2, or 3 on the battery cover plate on the bottom of the remote, as shown below:



- ③ Press and hold the "STB" button on the remote control for about 4 to 5 seconds. The "STB" button backlight LED will light to indicate that the remote control is in registration mode.



- ④ Use the number keys to send the registration event:

- Press "1" to send the "Register remote control to Decoder 1" event for Remote #1.
- Press "2" to send the "Register remote control to Decoder 2" event for Remote #2.
- Press "3" to send the "Register remote control to Decoder 3" event for Remote #3.
- Press "0" to set remote control to IR mode only. The remote control will not send any RF signal.

- ⑤ If you press a key other than "0", "1", "2" or "3", or if you do not press a button within about 10 seconds, the STB button backlight LED will turn off, and the remote control registration process terminates.

After you enter a registration event, the "STB" button backlight LED on the remote control and the Hydra front panel LED will blink twice to indicate that the registration process was successful.

- ⑥ Repeat the steps above for each remote control. You can register at most 3 remote controls for each decoder. Each remote control can only be registered for one decoder.

8. Manually Program Additional Devices

Perform the following steps to program the TV and AUX device:

- ① Locate the device code for your desired device in the device code table provided in the Appendix. If you could not find the device code for your device or it does not work after trying the listed device codes for your device brand, then you can go to the next section to try the auto-search procedures.
- ② Turn on your device and with media inserted (if applicable).
- ③ On the remote control, press a device mode key once (i.e., "TV" or "AUX"). **NOTE:** Use the "AUX" mode key to program control of VCR, DVD player, cable box, satellite set-top-box and audio device.
- ④ Press and hold the "SETUP" key until the selected mode key backlight blinks twice, then release "SETUP". The device mode key will light up.
- ⑤ Enter the four-digit device code for your device. If you perform this procedure correctly, the selected device mode key backlight will blink twice. **NOTE:** If you enter an invalid device code, the selected device mode key will fast blink 7 times. Device program mode will be terminated.
- ⑥ Aim the remote control at your device and press the "POWER" once. The device should be turned off. If it does not respond, repeat the above steps.

9. Auto-Scan (Program Additional Devices)

If your device does not respond to the remote control after trying all devices codes listed for your brand, or if your brand is not listed at all, try searching for your device code as follows:

- ① Power on the device and on the remote control, press the desired device key once. Then press and hold "SETUP" until the device key blinks twice, then release "SETUP".
- ② Press the "POWER" key once and aim your new remote at the device.
- ③ Press either the "CHANNEL UP" key or "CHANNEL DOWN" key to do device auto-scan.
- ④ In this search mode, the remote control will send IR codes from the library in 5-second intervals. The device key will be on and blink every 5 seconds while in the device scan mode.
- ⑤ If the device turns off, a working code has been found. Press "OK" once to lock in the code. The selected mode key will blink twice.
- ⑥ If all code sets of that device are exhausted in the search and the "OK" is not pressed, the selected device key will fast blink 7 times and the search mode will be terminated.

NOTE: Auto-Scan does not scan device codes from 4056 to 4071. For decode codes from 4056 to 4071, you have to enter the device code manually.

10. Hydra On-Screen User Menu

The Hydra User Menu is an on-screen setup menu to set up your Hydra features. You need to connect the TV properly before using the User Menu.

The User Menu currently provides setup of CATV channel ID for the 3 decoders. Please note that you need to reboot Hydra for the new channel ID change to take effect.

To enter the User Menu:

- ① Use the corresponding remote control of the decoder.
- ② Press “INPUT” and then “MENU” in sequence within 1 second.

11. Captioning

Captioning is controlled by your TV. Please refer to your TV User’s Guide for details on how to control your TV captioning.

Appendix - Device Codes

Your Universal Remote Control (URC) can control many brands and models of television, VCR, DVD and other types of audio-visual equipment. The following pages list device codes for many categories and brands of equipment. Many brands list more than one code, and you may need to test several codes to find the best match for your equipment. Your equipment may be supported even if your brand is not shown in the list below. If you cannot locate your brand, or none of the listed device codes works, then you may still use the auto-scan feature to try to locate a suitable device code. Instructions for using the auto-scan feature are located on page 5 of this guide.

DVD – DVD Player

Aiwa	2026 2131
Apex	2001 2056 2057 2095 2098
Audiovox	2132
Blaupunkt	2136
BOSE	2122 2130
Broksonic	2053 2072
Clarion	2100
Classic	2101
Daewoo	2058 2062 2137 2138
Denon	2040 2110 2133
Emerson	2059 2073
Fisher	2112 2134
GE	2041 2079 2118
Go Video	2046 2127 2129
GPX	2114
Harman Kardon	2125
Hitachi	2000 2027 2126
Irradio	2017
JVC	2047 2090 2096 2097 2115
Kenwood	2019 2039
Konka	2029
Lasonic	2081
Magnavox	2002 2018
Marantz	2034
Memorex	2003
Mintek	2004
Mitsubishi	2021 2030 2123
NAD	2059 2139
Nakamichi	2116
Nexxtech	2140
Norcent	2005 2117
Onkyo	2006
Oritron	2009
Panasonic	2066 2075 2076
Philips	2018 2032 2045 2051 2091 2109
Pioneer	2008
Polaroid	2007
Proscan	2010 2033 2118
Qwestar	2009

RCA	2010 2048 2063 2077 2099 2107 2118
Sampo	2119
Samsung	2012 2049 2074 2085 2102
Sansui	2071
Sanyo	2050 2120
Sharp	2013 2015 2044 2086
Sherwood	2121
Sony	2014 2020 2022 2065 2067 2068 2069 2070 2087 2103 2108 2113
Sylvania	2064 2078 2092
Techwood	2141
Toshiba	2023 2025 2037 2038 2054 2080 2084 2088 2093 2094
Yamaha	2028
Zenith	2052 2128

DVD - VCR Combo

Broksonic	2072
Daewoo	2062
Emerson	2073
Go Video	2046 2127 2129
Hitachi	2126
JVC	2047 2097
Panasonic	2066
Philips	2051
Polaroid	2007
RCA	2048
Samsung	2049 2074 2085
Sanyo	2050
Sony	2065 2067
Toshiba	2080 2084
Zenith	2052 2128

DVD - Home Theater

BOSE	2130
JBL	2043
Koss	2060
Onkyo	2024
Philips	2036
Pioneer	2016
RCA	2042

Sony 2108 2113
 Venturer 2011

DVD - Network DVD

Go Video 2124

DVD - Portable DVD

CyberHome 2083
 RCA 2055
 Toshiba 2135

DVD - TV/DVD Combo

Apex 2095
 Broksonic 2053
 RCA 2063 2099
 Sansui 2071
 Sylvania 2092
 Toshiba 2054

DVD - TV/DVD/VCR Combo

Panasonic 2075 2076
 RCA 2077
 Sharp 2086
 Sylvania 2064 2078
 Toshiba 2093 2094

TV - Digital TV

Zenith 0020

TV - HDTV

Apex 0088
 Daewoo 0135
 Hitachi 0134
 Philips 0037
 RCA 0143
 Sony 0137

TV - HDTV Projection TV

Sony 0037

TV - LCD TV

Benq 0136
 ESA 0046
 NET-TV 0040
 Sharp 0138
 Sylvania 0046

TV - Plasma TV

Viewsonic 0149
 Gateway 0038

TV - Plasma TV Monitor

Acer 0041
 Fujitsu 0029

Pioneer 0035

TV - Projection TV

Hitachi 0132
 JVC 0130 0131
 Panasonic 0010
 Sony 0128
 Toshiba 0127

TV - TV

Abex 0098
 Admiral 0001 0099
 Adventura 0100
 Aiko 0015
 Aiwa 0034
 Akai 0002
 Alleron 0044
 Amtron 0036
 Anam National 0003 0036
 AOC 0004 0005
 Apex 0074 0111 0119
 Audiovox 0036
 Bell & Howell 0001 0045
 Beng 0042
 Bradford 0036
 Broksonic 0114 0121
 Candle 0004 0007 0100
 Celebrity 0002
 Citizen 0004 0007
 0015 0036 0073 0097
 Colortyme 0004
 Concerto 0004
 Contec/Cony 0011 0012 0036
 Craig 0036
 Crown 0036 0053
 Curtis Mathes 0000 0004
 0014 0045 0073 0097
 CXC 0036
 Daewoo 0004 0005 0013
 0015 0016 0097 0106
 Daytron 0004 0097
 Dell 0141 0142 0146
 Dimensia 0000
 Electroband 0002
 Electrohome 0002 0003 0004
 0018 0021
 Emerson 0004 0011 0013
 0025 0031 0033 0036 0044 0045 0080
 0097 0102 0107
 Envision 0004
 Fisher 0043 0045 0047 0103
 Fujitsu 0044
 Funai 0036 0044
 Futuretech 0036
 GE 0000 0003 0004 0008 0021
 0048 0049 0063 0068 0070 0144

Goldstar	0004 0005 0011	Philco	0003 0004 0005 0007
0018 0050 0090 0091 0097 0098		0011 0018 0053 0056 0057 0059	
Grunpy	0036 0044	Philips.....	0003 0007 0011 0017
Hallmark.....	0004	0018 0053 0056 0057 0059 0063 0095	
Harvard.....	0036	0126 0129 0148	
Hisense.....	0112	Philips Magnavox	0148
Hitachi.....	0004 0011 0012 0030 0051 0084 0085 0086 0102 0133	Pilot	0097
IMA	0036	Pioneer.....	0004 0085 0102
Infinity.....	0053	Portland.....	0004 0005 0015 0097
Janeil.....	0100	Price Club.....	0073
JBL.....	0053	Prima.....	0113
JC Penney.....	0000 0004 0005 0007 0012 0021 0048 0049 0058 0063 0068 0072 0073 0075 0097 0098	Prism	0049
JCB	0002	Proscan	0000 0008 0068
Jensen	0004	Proton	0004 0011
JVC	0011 0012 0026 0049 0054 0055 0080 0117	Quasar	0003 0039 0049 0062 0069
Kawasho	0002 0004	Radio Shack	0000 0045
Kenwood	0004 0018	Radio Shack/Realistic.....	0004 0011 0036 0045 0064 0097 0098
Kloss Novabeam	0036 0056 0057 0100	RCA.....	0000 0003 0004 0005 0008 0018 0028 0052 0065 0067 0068 0071 0076 0082 0102 0104 0106 0108 0115 0151
KTV	0036 0097	Realistic.....	0000 0045
LG	0005	Sampo	0004 0097 0098 0120
Loewe	0053	Samsung	0004 0005 0011 0014 0018 0019 0072 0073 0078 0094 0097 0098
Logik	0001	Sansui	0023 0107 0122
Luxman	0004	Sanyo	0045 0103
LXI	0000 0004 0045 0053 0058 0068 0075	Scotch	0004
Magnavox.....	0004 0007 0018 0053 0056 0057 0059 0060 0110 0147	Scott	0004 0011 0033 0036 0044
Majestic.....	0001	Sears.....	0000 0004 0012 0018 0044 0045 0047 0055 0058 0068 0075 0103 0105
Marantz	0004 0051 0053	Sharp.....	0004 0009 0011 0025 0064 0077 0092 0097 0099 0153
Megatron.....	0004 0051	Signature	0001
Memorex	0001 0004 0005 0022 0045	Simpson	0007
MGA.....	0004 0005 0018 0021 0047 0061	Sony	0002 0109
Midland	0049 0068 0097 0098	Soundesign	0004 0007 0036 0044
Minutz	0048	Squareview.....	0105
Mitsubishi	0004 0005 0018 0021 0032 0047 0061	SSS	0036
Montgomery Ward.....	0001	Starlite	0036
Motorola	0003 0099	Supre-Macy	0100
MTC	0004 0005 0073	Supreme	0002
Multitech.....	0036	Sylvania.....	0004 0007 0018 0027 0053 0056 0057 0059 0060 0124 0145 0150
NAD	0004 0058 0075 0085	Symphonic	0024 0031 0036 0105
NEC	0003 0004 0005	Tandy	0099
Nikko	0004 0015	Tatung	0003
NTC.....	0015	Technics	0049
Onwa.....	0036	Techwood.....	0004 0049
Optimus.....	0085		
Optonica.....	0064 0099		
Orion	0023 0033 0107		
Panasonic	0003 0049 0053 0096 0123 0140 0152		

Teknika	0001 0004 0005
0007 0011 0012 0015 0036 0044 0060	
0073 0096 0097	
TMK	0004
Toshiba	0006 0045 0058
0073 0075 0079 0083 0087 0093 0101	
0116	
Totevision.....	0097
Universal	0048 0063
Victor.....	0055
Vidtech	0004 0005
Viking	0100
Wards.....	0000 0001 0004 0005
0018 0031 0044 0048 0053 0056 0057	
0059 0060 0063 0064	
White Westinghouse.....	0013
Yamaha.....	0004 0005 0018
Zenith	0001 0081 0089
0118 0125	

TV - TV/DVD Combo

Apex.....	0074
Broksomic	0114
RCA	0076 0115
Sansui.....	0122
Sylvania	0150
Toshiba	0116

TV - TV/DVD/VCR Combo

Panasonic	0123 0152
RCA	0151
Sharp	0153
Sylvania	0027 0124
Toshiba	0087 0101

TV - TV/VCR Combo

Broksomic	0121
GE.....	0070
Quasar	0062 0069
RCA	0028 0052
Samsung	0078
Sylvania	0145
Toshiba	0006
Zenith.....	0118

VCR - CD

Denon	1104
JVC	1099
Onkyo.....	1100
Pioneer.....	1101
RCA	1102 1106
Sony.....	1105
Yamaha.....	1103

VCR – Digital Network Recorder

Sony	1001
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VCR – DVD/VCR Combo

Broksomic.....	1078
Daewoo	1085
Emerson	1076
Go Video	1043 1045 1092
Hitachi	1038
JVC	1030 1093
Panasonic.....	1082
Philips.....	1091
Polaroid	1041
RCA.....	1094
Samsung	1054 1075 1095
Sanyo.....	1096
Sony	1051 1074
Toshiba	1052 1053
Zenith	1029 1089

VCR – DVR

DIRECTV.....	1000
Panasonic.....	1004
Philips.....	1002
RCA.....	1000
RePlay.....	1003
Tivo	1000

VCR – PVR

Tivo	1087
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VCR – TV/DVD/VCR Combo

Panasonic.....	1072 1073
RCA.....	1046
Sharp.....	1055
Sylvania.....	1050 1071
Toshiba	1056 1059

VCR – TV/VCR Combo

Broksomic.....	1098
GE.....	1069
Quasar	1067 1068
RCA.....	1065 1066
Samsung	1070
Sylvania.....	1064
Toshiba	1063
Zenith	1060

VCR - VCR

Admiral	1027
Adventura	1047
Aiko	1048
Aiwa	1047
Akai	1081 1084

American High.....	1042	Logik.....	1061
Asha.....	1035	LXI.....	1036
Audio Dynamics	1031 1032	Magnavox.....	1042 1062 1077
Audiovox	1036	Magnin	1036
Beaumark.....	1034 1035	Marantz	1031 1032 1033
Bell & Howell.....	1033	1040 1042 1062	
Broksonic	1034 1078 1098	Marta.....	1036
Calix.....	1036	Matsushita.....	1042
Candle.....	1035 1036 1037	MEI.....	1042
1039 1040		Memorex	1027 1033 1035
Canon	1042	1036 1042 1044 1047 1077	
Carver	1062	MGA.....	1049
CCE	1048 1061	MGN Technology.....	1035
Citizen.....	1035 1036 1037 1039	Midland.....	1057
1040 1048		Minolta.....	1058
Colortyme.....	1031	Mitsubishi	1049 1058
Colt	1061	Montgomery Ward.....	1027
Craig	1035 1036 1044 1061	Motorola	1027 1042
Curtis Mathes	1026 1031	MTC	1035
1035 1040 1042		Multitech.....	1035 1047 1057 1061
Cybernex.....	1035	NEC.....	1031 1032 1033 1040 1081
Daewoo.....	1037 1039	Nikko	1036
1047 1048 1085		Noblex	1035
DBX.....	1031 1032	Olympus	1042
Dimensia.....	1026	Optimus.....	1027 1036
Dynatech.....	1047	Panasonic.....	1042 1072 1073
Electrohome	1036 1049	1079 1080 1082 1083	
Electrophonic	1036	Pentax	1058
Emerson.....	1034 1036 1037	Pentex Research	1040
1042 1047 1049 1076 1097		Philco	1042 1062
Fisher.....	1033 1044	Philips.....	1042 1062 1091
Fuji	1042 1084	Pilot	1036
Funai	1028 1047	Pioneer	1032 1058
Garrard.....	1047	Polaroid	1041
GE.....	1026 1035 1042 1069	Portland	1039
Go Video	1043 1045 1088 1092	Proscan	1026
Goldstar	1031 1036 1040	Protec	1061
Gradiente	1047	Pulsar	1077
Harley Davidson	1047	Quarter	1033
Harman Kardon	1031	Quartz	1033
Harwood.....	1061	Quasar	1042 1067 1068
Headquarter	1033	Radio Shack	1027 1036
Hi-Q.....	1044	Radio Shack/Realistic	1033
Hitachi	1038 1058 1081	1035 1036 1042 1044 1047 1049	
Instant Replay	1042	Radix	1036
JC Penney.....	1031 1032 1033	Randex	1036
1034 1035 1036 1042 1058 1061 1062		RCA.....	1026 1035 1042
JCL	1042	1046 1058 1065 1066 1086 1094	
Jensen	1058 1081	Realistic	1027 1033 1035
JVC	1030 1031 1032	1036 1037 1042 1044 1047 1049	
1033 1040 1081 1093		Ricoh	1090
Kenwood	1031 1032	Runco	1077
1033 1040 1081		Samsung	1035 1037 1054
KLH	1061	1057 1070 1075 1095	
Kodak.....	1036 1042	Sanky	1027 1077
LG	1036	Sansui	1032 1081
Lloyd's.....	1047	Sanyo	1033 1035 1044 1096

Scott.....	1034 1037	GE	3000 3001
Sears.....	1033 1036 1042 1044 1058	Gemini.....	3016 3017
Sharp	1027 1039 1049 1055	General Instrument.....	3051
Shintom.....	1061 1084	General Instruments	3001 3048
Shogun.....	1035	Hamlin.....	3018 3019 3020 3026 3033 3039 3047
Signature.....	1027	Hitachi	3001
Singer.....	1042 1061 1090	Jerrold	3001 3016 3021 3022 3046 3048
Sony.....	1051 1074 1084	Magnavox.....	3023
STS.....	1042	Memorex	3024
Sylvania	1042 1047 1050 1062 1064 1071	Motorola	3052 3053 3054
Symphonic	1028 1047	Movie Time.....	3025
Tandy	1033	NEC	3003
Tashiko	1036	NSC	3025
Tatung.....	1081	Oak.....	3014 3027
Teac	1047 1081	Panasonic.....	3042 3045
Technics.....	1042 1079	Philips.....	3009 3010 3011 3013 3017 3023 3028 3029 3030
Teknika	1036 1042 1047	Pioneer	3031 3032
TMK	1035	Proscan	3000 3001
Toshiba	1037 1052 1053 1056 1058 1059 1063	RCA.....	3005 3041 3043 3045 3048
Totlevision.....	1035 1036	Realistic	3007
Unitech.....	1035	Regal.....	3020 3033 3047
Vector Research.....	1031 1032 1037	Regency	3015
Victor.....	1032	Rembrandt	3001
Video Concepts	1031 1032 1037	Samsung	3032
Videosonic.....	1035	Scientific Atlanta.....	3004 3034 3035 3036 3049
Wards.....	1027 1035 1036 1037 1042 1044 1047 1049 1058 1061	Signal	3016
White Westinghouse.....	1028	Signature	3001
XR-1000	1042 1047 1061	Sony	3050
Yamaha.....	1031 1032 1033 1040 1081	Sprucer	3045
Zenith	1029 1060 1077 1084 1089 1090	Standard Component.....	3037 3038

Cable Box

ABC.....	3000 3001
Adelphia	3049
Antronix	3006 3007
Archer	3007 3008
Cable Vision	3050
Cabletenna	3006
Cableview	3005
Colour Voice	3010 3011
Comcast	3051 3052
Comtronics	3012
Contec	3014
COX	3053
Eastern	3015
GC Electronics	3007

Satellite – HDTV Tuner

Panasonic.....	4054
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Satellite – Satellite-DVR

DIRECTV.....	4058 4059 4060 4062 4063
DISH Network	4061
Hughes	4058

Philips	.....	4058 4063
RCA	.....	4058 4059
Samsung	.....	4058
Sony	.....	4060 4062
Tivo	.....	4058 4060 4063
Zenith	.....	4064

Satellite – Satellite Receiver

Alphastar	.....	4023
Chaparral	.....	4002 4003
DIRECTV	.....
4035 4036 4038 4039 4043 4044 4045		
4049 4050 4051 4052 4056 4058 4069		
4070 4071		
DISH Network	.....	4000 4066
4067 4068		
Dishnet	.....	4022
Drake	.....	4004 4005
EchoStar	.....	4030
GE	.....	4001 4016 4033 4034
4056 4065		
General Instruments	.....	4006
4007 4008		
Hitachi	.....	4026 4027
Hughes	.....	4036 4069
Hughes Network	.....	4069
Hughes Network Systems	.....	4031
4069		
Humax	.....	4071
JVC	.....	4025
Mitsubishi	.....	4043 4045
Panasonic	.....	4019 4049 4052
Philips	.....	4028 4039 4057
Pioneer	.....	4053
Primestar	.....	4020
Proscan	.....	4001 4016
4033 4034 4065		
RCA	.....	4001 4016 4024 4033 4034
4040 4055 4065 4070		
Realistic	.....	4009
Samsung	.....	4044 4046
Sony	.....	4017 4035
4037 4038 4042 4071		
STS	.....	4032
STS1	.....	4010
STS3	.....	4012
STS4	.....	4013
Toshiba	.....	4014 4018 4050
Uniden	.....	4015 4029
Zenith	.....	4051

Satellite - Satellite Receiver/Recorder

Philips	.....	4048
RCA	.....	4041
Sony	.....	4047

Audio - Amplifier

Aiwa	.....	5037 5054
Carver	.....	5036
Citizen	.....	5060
Denon	.....	5048
Fisher	.....	5036
GE	.....	5062
Goldstar	.....	5050 5055
Harmon/Kardon	.....	5047
Hitachi	.....	5068
JVC	.....	5052 5058
Kenwood	.....	5049 5056
Magnavox	.....	5069
Marantz	.....	5034
Nakamichi	.....	5046
NEC	.....	5067
Onkyo	.....	5039 5040 5051
Optimus	.....	5042
Panasonic	.....	5035
Pioneer	.....	5043 5044 5057 5070
Proton	.....	5069
Quasar	.....	5035
RCA	.....	5059
Sharp	.....	5063 5064 5065 5066
Sherwood	.....	5045
Sony	.....	5054
Teac	.....	5053
Technic	.....	5035
Technics	5035
Toshiba	5061
Victor	5058
Yamaha	5041

Audio - DVR

RePlay	5062
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Audio - Home Theater

BOSE	5071
JBL	5072
Koss	5074
Onkyo	5075
Philips	5077
Pioneer	5078
RCA	.....	5079
Sony	.....	5080 5081
Venturer	.....	5082

Audio - Receiver/Tuner

Aiwa	.....	5000 5001 5002 5004
5005 5006		
BOSE	.....	5007 5071
Carver	.....	5000
Denon	.....	5008
Harman Kardon	.....	5000 5009
JBL	.....	5009

JVC	5010	Sherwood	5027
Kenwood	5011 5012	Sony	5017 5028 5029 5030
Linn	5000	5031 5032 5033 5080 5081	
Maganvox.....	5000	Technics	5016
Marantz	5000	Wards	5000 5021
Onkyo.....	5018	Yamaha.....	5003 5014 5015 5021
Philips	5000		
Pioneer.....	5021 5022		
RCA	5024 5025 5026		
Sansui	5000		
		Audio - Tuner/CD Combo	
		BOSE	5007